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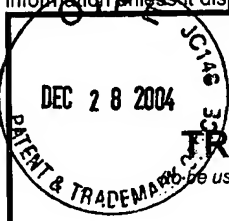
PTO/SB/21 REV 1 (12/97)

Approved for use through 09/30/2000. omb 0654-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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 TRANSMITTAL FORM <i>to be used for all correspondence after initial filing)</i>	Application Number	10/688,726	
	Filing Date	10/17/2003	
	First Named Inventor	M. Krounbi et al	
	Examiner Name	A. D. Tugbang	
	Group Art Unit	3729	
Total Number of Pages in This Submission	+ postcard	Attorney Docket Number	SJO919960080US3

ENCLOSURES (check all that apply)

- ☒ Fee Transmittal Form
☐ Fee Attached
☒ Substitute Amendment/Response
☐ After Final
☐ Extension of Time Request
☐ Express Abandonment Request
☐ Information Disclosure Statement
☐ PTO Form 1449
☐ (no.) cited references
☐ Certified Copy of Priority Document(s)
☐ Response to Missing Parts/Incomplete Application
☐ PTO Form 1533
☐ Response to Missing Parts Under 37 CFR 1.52 or 1.53

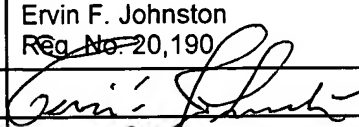
- ☐ Assignment w/Recordation Sheet
☐ Drawing(s)
☐ Request for Drawing Amendment
☐ Licensing-related Papers
☐ Petition Checklist and Accompanying Petition
☐ To Convert a Provisional Application
☐ Power of Attorney, Revocation
☐ Change of Correspondence Address
☐ Terminal Disclaimer

- ☐ After Allowance Communication to Group
☐ Appeal Communication to Board of Appeals and Interferences
☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
☐ Proprietary Information
☐ Status Letter
☒ Additional Enclosure(s) (please identify below):

POSTCARD

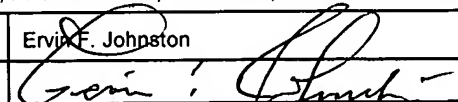
Remarks:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Ervin F. Johnston Reg. No. 20,190
Signature	
Date	December 22, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: December 22, 2004

Typed or printed name	Ervin F. Johnston		
Signature		Date	December 22, 2004

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PTO/SB/17 REV 1 (12/97)

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<div style="text-align: center;"> COPIE DEC 28 2004 PATENT & TRADEMARKS </div> <div style="text-align: center;"> FEE TRANSMITTAL <small>Patent fees are subject to annual revision on October 1. These are the fees effective November 10, 1998. Small entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28</small> </div>		Complete If Known																																																																																																																																																							
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1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number <u>50-2587</u> Deposit Account Name <u>Hitachi Global Storage Technologies</u> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance. 37 CFR 1.311(b)		3. ADDITIONAL FEES <table style="width:100%; font-size: x-small;"> <thead> <tr> <th>Large Entity Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>116</td><td>410</td><td>216</td><td>205</td><td>Extension for response within second month</td><td></td></tr> <tr><td>117</td><td>930</td><td>217</td><td>465</td><td>Extension for response within third month</td><td></td></tr> <tr><td>118</td><td>1,450</td><td>218</td><td>725</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>128</td><td>1,970</td><td>228</td><td>985</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>141</td><td>1,300</td><td>241</td><td>650</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>142</td><td>1,300</td><td>242</td><td>650</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>470</td><td>243</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>630</td><td>315</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>146</td><td>750</td><td>246</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>179</td><td>750</td><td>249</td><td>375</td><td>Request for continued examination (RCE) (37 CFR 1.114)</td><td></td></tr> </tbody> </table> Other fee (specify) <u>Terminal Disclaimer</u> Other fee (specify) _____		Large Entity Code	Large Entity Fee (\$)	Small Entity Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for response within first month		116	410	216	205	Extension for response within second month		117	930	217	465	Extension for response within third month		118	1,450	218	725	Extension for response within fourth month		128	1,970	228	985	Extension for response within fifth month		119	320	219	160	Notice of Appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive unavoidably abandoned application		141	1,300	241	650	Petition to revive unintentionally abandoned application		142	1,300	242	650	Utility issue fee (or reissue)		143	470	243	235	Design issue fee		144	630	315	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		126	180	126	180	Submission of Information Disclosure Stmt		146	750	246	375	Filing a submission after final rejection (37 CFR 1.129(a))		179	750	249	375	Request for continued examination (RCE) (37 CFR 1.114)	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

M. Krounbi et al

Serial No.: 10/688,726

Filed: 10/17/2003

Title: METHOD OF MAKING A HORIZONTAL
THIN FILM WRITE AND READ HEAD

Group Art Unit: 3729

Examiner: Anthony D. Tugbang

Atty Docket : **SJO919960080US3**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUBSTITUTE AMENDMENT

This "Substitute Amendment" is in response to the Office Communication dated 12/07/2004.

This "Substitute Amendment responds to the Office Action mailed 09/24/2004.

12/30/2004 RMEBRAHT 00000026 502587 10688726

01 FC:1201 600.00 DA